

PATENT ABSTRACTS OF JAPAN

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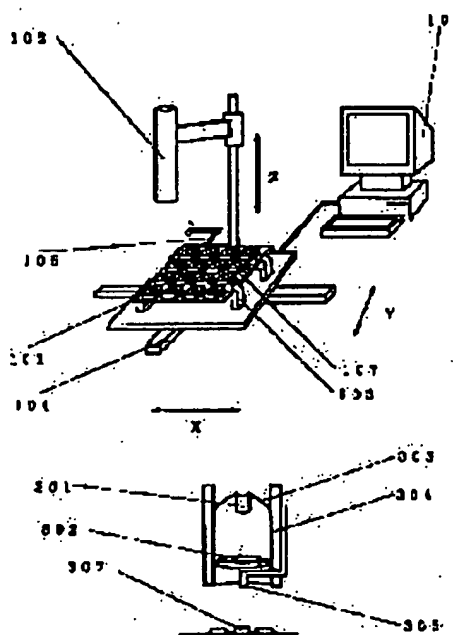
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(54) METHOD OF REMOVING SURFACE MOUNTED LEDS, REMOVING APPARATUS AND METHOD OF REPAIRING LIGHT-EMITTING DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent damages or positional deviations of adjacent surface-mounted type LEDs by having a spot-like optical energy selectively irradiated on the LED to selectively melt solder fixing the LED to a board, and mounting desired surface-mounted type LED units.

SOLUTION: A light from a lamp 301 is condensed into a spot, using a reflecting mirror 303 and/or lens 302 to thereby reduce the optical energy beam to nearly the same size as the outline of a surface-mounted type LED. Moving means 104 and computer 106 are interlocked so as to be capable of automatically selectively irradiating light energy on a desired spot. For removing, desired surface-mounted type LED 107 unit with solder molten by a light-irradiating means 102 is made selectively removable. This prevents damages and positional deviations of the adjacent surface-mounted type LEDs.



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